

Title (en)
METHOD FOR DIGITAL IMAGE ANALYSIS OF MAIZE

Title (de)
VERFAHREN ZUR DIGITALBILDANALYSE VON MAIS

Title (fr)
PROCÉDÉ POUR L'ANALYSE D'IMAGE NUMÉRIQUE DE MAÏS

Publication
EP 2191439 B1 20150325 (EN)

Application
EP 08795063 A 20080806

Priority
• US 2008009433 W 20080806
• US 89177607 A 20070813

Abstract (en)
[origin: WO2009023110A1] A method of evaluating at least one kernel of maize using digital imagery includes acquiring a digital image of the at least one kernel of maize from a first source, processing the digital image to estimate at least one physical property of the at least one kernel of maize from the digital image, and evaluating the at least one kernel of maize using the estimate of the at least one physical property of the at least one kernel of maize. The estimate of the at least one physical property may used to identify traits of interest that may be incorporated into a plant breeding program, used to evaluate disease conditions, used to characterize germplasm, evaluate transgenic events or constructs or for other purposes.

IPC 8 full level
G06T 7/00 (2006.01)

CPC (source: EP US)
G06T 7/0002 (2013.01 - US); **G06T 7/0012** (2013.01 - EP US); **G06T 2207/30004** (2013.01 - EP US)

Citation (examination)
• US 2007186313 A1 20070809 - LIGHTNER JONATHAN [US], et al
• C LEE ET AL: "Estimating Corn Yields", 1 December 2005 (2005-12-01), pages 1 - 2, XP055055796, Retrieved from the Internet <URL:http://www.ca.uky.edu/agc/pubs/agr/agr187/agr187.pdf> [retrieved on 20130308]

Cited by
US11477940B2; US11825768B2; US11635765B2; US11234366B2; US11240961B2; US11672203B2; US11711995B2; US11178818B2; US11889787B2; US11650587B2; US11653588B2; US11895948B2; US12058951B2; US11675354B2; US11864483B2; US11983009B2; US11467605B2; US11778945B2; US12013245B2; US12069978B2; US11641800B2; US11727680B2; US11957072B2; US12080062B2; US12082531B2; US11079725B2; US11474523B2; US11589509B2; US11650553B2; US11829112B2; US11874669B2; US12010947B2; US2022110251A1; US11871697B2; US11889788B2; US11946747B2; US12013698B2; US12048271B2; US12069986B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2009023110 A1 20090219; AR 067918 A1 20091028; BR PI0815482 A2 20170530; BR PI0815482 B1 20190618; CL 2008002372 A1 20090703; EP 2191439 A1 20100602; EP 2191439 B1 20150325; ES 2539118 T3 20150626; HU E025229 T2 20160229; MX 2010001700 A 20100519; US 2009046890 A1 20090219; US 2011285844 A1 20111124; US 2013266191 A1 20131010; US 8073235 B2 20111206; US 8488865 B2 20130716; US 9008409 B2 20150414

DOCDB simple family (application)
US 2008009433 W 20080806; AR P080103516 A 20080812; BR PI0815482 A 20080806; CL 2008002372 A 20080812; EP 08795063 A 20080806; ES 08795063 T 20080806; HU E08795063 A 20080806; MX 2010001700 A 20080806; US 201113192291 A 20110727; US 201313908683 A 20130603; US 89177607 A 20070813